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(54) Title: MALEATED VEGETABLE OILS AND DERIVATIVES, AS SELF-EMULSIFYING LUBRICANTS IN METALWORKING

(57) Abstract: A succinated triglyceride oil derived from maleating triglyceride oil from a plant or land animal is described for use as an emulsifying agent for metalworking fluids. The metalworking fluid would comprise water; as an emulsifier this succinated triglyceride, optionally further reacted with water, Group IA and IIA metals, ammonium hydroxide, various amines, alkanolamines, alkoxyated alkanolamines, and polyamines to form a modified emulsifier; and optionally an oil and other additives.

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